



October 01, 2013

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011
TEL: (575) 993-6824
FAX (575) 532-1587
RE: HELSTF Diesel Spill

Order No.: 1309171

Dear Brad Davis:

DHL Analytical, Inc. received 6 sample(s) on 9/19/2013 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.2 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in red ink, appearing to read "John DuPont", is written over a white background.

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-12-9 & DoD ELAP #ADE-1416 v2



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755 S. Tealor Blvd. Ste. F-201
 Las Cruces, NM 88011
 575-632-1526 u
 575-632-1587 f

CHAIN OF CUSTODY RECORD

1309171

PAGE 1 OF 1

PROJECT NO.		PROJECT NAME			NO. OF CONTAINERS	ANALYSIS REQUESTED						REMARKS
SAMPLER'S SIGNATURE		HELSF Diesel Spill				TOC	VOCs	TPH DRO	Hexavalent Chromium	pH	Total Chromium	
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.								
01	9-18-13	1036	DRW HLSF-0154- HW -013-0913-TB	Water	2		X					Trip Blank
02	9-18-13	1036	DRW HLSF-0154- HW -013-0913	Water	10	X	X	X	X	X	X	
03	9-18-13	1203	HLSF-0154-DRW-012-0913	Water	10	X	X	X	X	X	X	
04	9-18-13	1203	HLSF-0154-DRW-112-0913	Water	10	X	X	X	X	X	X	
05	9-18-13	1203	HLSF-0154-FB-001-0913	Water	3		X					Field Blank
06	9-18-13	1318	HLSF-0154-DRW-016-0913	Water	10	X	X	X	X	X	X	

PROJECT INFORMATION		SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE) <i>Bradley T. Davis</i> (PRINTED NAME) Bradley T. Davis RECEIVED BY: (SIGNATURE) <i>Jedine</i> (TIME/DATE) 9/18/13	2. RELINQUISHED BY: (SIGNATURE) <i>Jedine</i> (PRINTED NAME) Jedine RECEIVED BY: (SIGNATURE) <i>[Signature]</i> (TIME/DATE) 9/19/13 915	3. RECEIVED BY LAB: (SIGNATURE) (PRINTED NAME) (COMPANY) (TIME/DATE)
PROJECT MANAGER Brad Davis	TOTAL NO. OF CONTAINERS	CHAIN OF CUSTODY SEALS	SPECIAL INSTRUCTIONS/COMMENTS:		
SHIPPING ID NO.	GOOD CONDITION CHECKED <i>Yes</i> 3.7	CONFORMS TO RECORD			
VIA: Fed EX					

fedEx *NEW Package*
Express *US Airbill*

FedEx Tracking Number **8037 3859 7033**

Form ID No. **0200**

From [Redacted]
Date **9-18-13**

Sender's Name **Brad Davis** Phone **575 614-9192**

Company **Zia Engineering**

Address **755 S. Telshor Blvd. F. 201**

City **Las Cruces** State **NM** ZIP **88011**

2 Your Internal Billing Reference **FWSE 09 015 - 038**

3 To Recipient's Name **J. Barker** Phone **512 388-8222**

Company **DHL Analytical**

Address **2300 Double Creek Drive**

Address [Redacted]

City **Round Rock** State **TX** ZIP **78664**

HOLD Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.

HOLD Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.



8037 3859 7033

4 **Express Package Service** *To most locations.
NOTE: Service order has changed. Please select carefully.

*Packages up to 150 lbs.
For packages over 150 lbs, use the new
FedEx Express Freight US Airbill.*

Next Business Day

FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight
Next business afternoon.*
Saturday Delivery NOT available.

2 or 3 Business Days

FedEx 2Day A.M.
Second business morning.*
Saturday Delivery NOT available.

FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Express Saver
Third business day.*
Saturday Delivery NOT available.

5 **Packaging** *Declared value limit \$500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 **Special Handling and Delivery Signature Options**

SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required
Package may be delivered without obtaining a signature for delivery.

Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.

Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.

No Yes
As per attached Shipper's Declaration. Yes
Shipper's Declaration not required.

Dry Ice
Dry Ice, 9 UN 1845 x kg

Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 **Payment Bill to:**

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.

Sender Acct. No. in Section will be billed. Recipient Third Party Credit Card Cash/Check

Total Packages [Redacted] Total Weight [Redacted] lbs. Credit Card Auth. [Redacted]

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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644

CUSTODY SEAL
DATE **9-18-13**
SIGNATURE **Bradley T. Davis**

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

Sample Receipt Checklist

Client Name Zia Engineering & Environmental

Date Received: 9/19/2013

Work Order Number 1309171

Received by JB

Checklist completed by: [Signature] 9/19/2013
Signature Date

Reviewed by SS 9/19/2013
Initials Date

Carrier name FedEx 1day

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No 3.7 °C
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH<2 acceptable upon receipt? Yes No NA LOT # 7179
Adjusted? PS Checked by [Signature]
- Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt? Yes No NA LOT #
Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: HELSTF Diesel Spill		Date: 10/1/13					
Reviewer Name: Carlos Castro		Laboratory Work Order: 1309171					
Prep Batch Number(s): See Prep Dates Report		Run Batch: See Analytical Dates Report					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-Custody (C-O-C)					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
		2) Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and Quality Control (QC) Identification					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test Reports					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			X		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			X		
		8) If required for the project, TICs reported?			X		
R4	O	Surrogate Recovery Data					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			R4-02
R5	OI	Test Reports/Summary Forms for Blank Samples					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	Laboratory Control Samples (LCS):					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits (if applicable)?	X				
R7	OI	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical Duplicate Data					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method Quantitation Limits (MQLs):					
		1) Are the MQLs for each method analyte included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	Other Problems/Anomalies					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: HELSTF Diesel Spill		Date: 10/1/13					
Reviewer Name: Carlos Castro		Laboratory Work Order: 1309171					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial Calibration (ICAL)					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and Continuing Calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB)					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass Spectral Tuning					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal Standards (IS)					
		1) Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw Data (NELAC section 1 appendix A glossary, and section 5.12)					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual Column Confirmation					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively Identified Compounds (TICs)					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) Results					
		1) Were percent recoveries within method QC limits?	X				
S9	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method Detection Limit (MDL) Studies					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency Test Reports					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards Documentation					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/Analyte Identification Procedures					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of Analyst Competency (DOC)					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/Validation Documentation for Methods (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory Standard Operating Procedures (SOPs)					
		1) Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

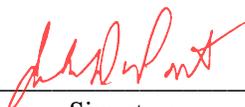
- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC 5.13
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

John DuPont – General Manager

Scott Schroeder – Technical Director



Signature

10/01/13

Date

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Lab Order: 1309171

CASE NARRATIVE

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.2 and NELAC.

Samples were analyzed using the methods outlined in the following references:

- Method SW6020A - Metals Analysis
- Method M8015D - DRO Analysis
- Method SW8260C - Volatile Organics
- Method M3500-Cr D - Hexavalent Chromium Analysis
- Method M4500-H+ B - pH of a Water
- Method M5310C - TOC Analysis

Exception Report R1-01

The samples were received on and log-in performed on 9/19/13. A total of 6 samples were received and all were analyzed. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For DRO analysis performed on 9/23/13 the surrogate recoveries for samples HLSF-0154-DRW-013-0913, HLSF-0154-DRW-112-0913 and most QC samples were out of the method control limits for Isopropylbenzene or Octacosane. These are flagged accordingly. The remaining surrogate was within method control limits. No further corrective actions were taken.

Exception Report R7-03

For DRO analysis performed on 9/23/13 the matrix spike recovery was slightly below the method control limits. This is flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits. No further corrective actions were taken.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.

Brad Davis of Zia requested a bottle kit via email from Jennifer Barker of DHL on 8/13/13.

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Lab Order: 1309171

CASE NARRATIVE

DHL Bottle kit #4274 sent on 8/21/13 via Lonestar Overnight, to arrive by 8/23/13.

This sample delivery group arrived at DHL Analytical 9/19/13. Sample summary sent via email from Log-in to client on 9/19/13.

All hardcopies for the sample kit request, bill of lading for sample kit sent and login summary are kept in project folder or are filed in the project/Client folder as part of the Administrative records in the QA office.

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Lab Order: 1309171

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1309171-01	HLSF-0154-DRW-013-0913-TB		09/18/13 10:36 AM	9/19/2013
1309171-02	HLSF-0154-DRW-013-0913		09/18/13 10:36 AM	9/19/2013
1309171-03	HLSF-0154-DRW-012-0913		09/18/13 12:03 PM	9/19/2013
1309171-04	HLSF-0154-DRW-112-0913		09/18/13 12:03 PM	9/19/2013
1309171-05	HLSF-0154-FB-001-0913		09/18/13 12:03 PM	9/19/2013
1309171-06	HLSF-0154-DRW-016-0913		09/18/13 01:18 PM	9/19/2013

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1309171-01A	HLSF-0154-DRW-013-0913-TB	09/18/13 10:36 AM	Trip Blank	SW5030C	Purge and Trap Water GC/MS	09/23/13 06:16 PM	59606
1309171-02A	HLSF-0154-DRW-013-0913	09/18/13 10:36 AM	Aqueous	SW5030C	Purge and Trap Water GC/MS	09/23/13 06:16 PM	59606
1309171-02B	HLSF-0154-DRW-013-0913	09/18/13 10:36 AM	Aqueous	M5310C	TOC prep Aqueous	09/23/13 03:00 PM	59604
1309171-02C	HLSF-0154-DRW-013-0913	09/18/13 10:36 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/13 08:32 AM	59647
1309171-02D	HLSF-0154-DRW-013-0913	09/18/13 10:36 AM	Aqueous	SW7196A	Hexachrom Prep Water	09/19/13 10:21 AM	59564
	HLSF-0154-DRW-013-0913	09/18/13 10:36 AM	Aqueous	M4500-H+ B	pH Preparation	09/19/13 10:18 AM	59563
1309171-02E	HLSF-0154-DRW-013-0913	09/18/13 10:36 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	09/20/13 06:39 AM	59572
1309171-03A	HLSF-0154-DRW-012-0913	09/18/13 12:03 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	09/23/13 06:16 PM	59606
1309171-03B	HLSF-0154-DRW-012-0913	09/18/13 12:03 PM	Aqueous	M5310C	TOC prep Aqueous	09/23/13 03:00 PM	59604
1309171-03C	HLSF-0154-DRW-012-0913	09/18/13 12:03 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/13 08:32 AM	59647
1309171-03D	HLSF-0154-DRW-012-0913	09/18/13 12:03 PM	Aqueous	SW7196A	Hexachrom Prep Water	09/19/13 10:21 AM	59564
	HLSF-0154-DRW-012-0913	09/18/13 12:03 PM	Aqueous	M4500-H+ B	pH Preparation	09/19/13 10:18 AM	59563
1309171-03E	HLSF-0154-DRW-012-0913	09/18/13 12:03 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	09/20/13 06:39 AM	59572
1309171-04A	HLSF-0154-DRW-112-0913	09/18/13 12:03 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	09/23/13 06:16 PM	59606
1309171-04B	HLSF-0154-DRW-112-0913	09/18/13 12:03 PM	Aqueous	M5310C	TOC prep Aqueous	09/23/13 03:00 PM	59604
1309171-04C	HLSF-0154-DRW-112-0913	09/18/13 12:03 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/13 08:32 AM	59647
1309171-04D	HLSF-0154-DRW-112-0913	09/18/13 12:03 PM	Aqueous	SW7196A	Hexachrom Prep Water	09/19/13 10:21 AM	59564
	HLSF-0154-DRW-112-0913	09/18/13 12:03 PM	Aqueous	M4500-H+ B	pH Preparation	09/19/13 10:18 AM	59563
1309171-04E	HLSF-0154-DRW-112-0913	09/18/13 12:03 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	09/20/13 06:39 AM	59572
1309171-05A	HLSF-0154-FB-001-0913	09/18/13 12:03 PM	Field Blank	SW5030C	Purge and Trap Water GC/MS	09/23/13 06:16 PM	59606

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1309171-06A	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	09/23/13 06:16 PM	59606
1309171-06B	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	M5310C	TOC prep Aqueous	09/23/13 03:00 PM	59604
1309171-06C	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/13 08:32 AM	59647
	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/13 08:32 AM	59647
1309171-06D	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	SW7196A	Hexachrom Prep Water	09/19/13 10:21 AM	59564
	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	M4500-H+ B	pH Preparation	09/19/13 10:18 AM	59563
1309171-06E	HLSF-0154-DRW-016-0913	09/18/13 01:18 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	09/20/13 06:39 AM	59572

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1309171-01A	HLSF-0154-DRW-013-0913-TB	Trip Blank	SW8260C	8260 Water Volatiles by GC/MS	59606	1	09/23/13 10:57 PM	GCMS5_130923B
1309171-02A	HLSF-0154-DRW-013-0913	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59606	1	09/24/13 02:10 AM	GCMS5_130923B
1309171-02B	HLSF-0154-DRW-013-0913	Aqueous	M5310C	Total Organic Carbon	59604	1	09/23/13 08:35 PM	TOC_130923A
1309171-02C	HLSF-0154-DRW-013-0913	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59647	1	09/26/13 07:45 PM	ICP-MS3_130926B
1309171-02D	HLSF-0154-DRW-013-0913	Aqueous	M3500-Cr D	Hexavalent Chromium-Water	59564	1	09/19/13 11:44 AM	UV/VIS_2_130919A
	HLSF-0154-DRW-013-0913	Aqueous	M4500-H+ B	pH	59563	1	09/19/13 10:36 AM	TITRATOR_130919A
1309171-02E	HLSF-0154-DRW-013-0913	Aqueous	M8015D	TPH Extractable by GC - Water	59572	1	09/23/13 10:17 AM	GC15_130923A
1309171-03A	HLSF-0154-DRW-012-0913	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59606	1	09/24/13 02:34 AM	GCMS5_130923B
1309171-03B	HLSF-0154-DRW-012-0913	Aqueous	M5310C	Total Organic Carbon	59604	1	09/23/13 09:00 PM	TOC_130923A
1309171-03C	HLSF-0154-DRW-012-0913	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59647	1	09/26/13 07:51 PM	ICP-MS3_130926B
1309171-03D	HLSF-0154-DRW-012-0913	Aqueous	M3500-Cr D	Hexavalent Chromium-Water	59564	1	09/19/13 11:44 AM	UV/VIS_2_130919A
	HLSF-0154-DRW-012-0913	Aqueous	M4500-H+ B	pH	59563	1	09/19/13 10:38 AM	TITRATOR_130919A
1309171-03E	HLSF-0154-DRW-012-0913	Aqueous	M8015D	TPH Extractable by GC - Water	59572	1	09/23/13 10:25 AM	GC15_130923A
1309171-04A	HLSF-0154-DRW-112-0913	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59606	1	09/24/13 02:58 AM	GCMS5_130923B
1309171-04B	HLSF-0154-DRW-112-0913	Aqueous	M5310C	Total Organic Carbon	59604	1	09/23/13 09:26 PM	TOC_130923A
1309171-04C	HLSF-0154-DRW-112-0913	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59647	1	09/26/13 07:57 PM	ICP-MS3_130926B
1309171-04D	HLSF-0154-DRW-112-0913	Aqueous	M3500-Cr D	Hexavalent Chromium-Water	59564	1	09/19/13 11:44 AM	UV/VIS_2_130919A
	HLSF-0154-DRW-112-0913	Aqueous	M4500-H+ B	pH	59563	1	09/19/13 10:40 AM	TITRATOR_130919A
1309171-04E	HLSF-0154-DRW-112-0913	Aqueous	M8015D	TPH Extractable by GC - Water	59572	1	09/23/13 10:34 AM	GC15_130923A
1309171-05A	HLSF-0154-FB-001-0913	Field Blank	SW8260C	8260 Water Volatiles by GC/MS	59606	1	09/23/13 11:21 PM	GCMS5_130923B

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1309171-06A	HLSF-0154-DRW-016-0913	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59606	1	09/24/13 03:22 AM	GCMS5_130923B
1309171-06B	HLSF-0154-DRW-016-0913	Aqueous	M5310C	Total Organic Carbon	59604	1	09/23/13 09:51 PM	TOC_130923A
1309171-06C	HLSF-0154-DRW-016-0913	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59647	1	09/26/13 08:03 PM	ICP-MS3_130926B
	HLSF-0154-DRW-016-0913	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59647	50	09/30/13 06:23 PM	ICP-MS3_130930C
1309171-06D	HLSF-0154-DRW-016-0913	Aqueous	M3500-Cr D	Hexavalent Chromium-Water	59564	1	09/19/13 11:46 AM	UV/VIS_2_130919A
	HLSF-0154-DRW-016-0913	Aqueous	M4500-H+ B	pH	59563	1	09/19/13 10:41 AM	TITRATOR_130919A
1309171-06E	HLSF-0154-DRW-016-0913	Aqueous	M8015D	TPH Extractable by GC - Water	59572	1	09/23/13 10:42 AM	GC15_130923A

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-013-0913-TB
Lab ID: 1309171-01
Collection Date: 09/18/13 10:36 AM
Matrix: TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 10:57 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 10:57 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 10:57 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	09/23/13 10:57 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 10:57 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	09/23/13 10:57 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	09/23/13 10:57 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM

Qualifiers:	* Value exceeds TCLP Maximum Concentration Level	B Analyte detected in the associated Method Blank
	C Sample Result or QC discussed in the Case Narrative	DF Dilution Factor
	E TPH pattern not Gas or Diesel Range Pattern	J Analyte detected between MDL and RL
	MDL Method Detection Limit	ND Not Detected at the Method Detection Limit
	RL Reporting Limit	S Spike Recovery outside control limits
	N Parameter not NELAC certified	

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-013-0913-TB
Lab ID: 1309171-01
Collection Date: 09/18/13 10:36 AM
Matrix: TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 10:57 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 10:57 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	09/23/13 10:57 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 10:57 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 10:57 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 10:57 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 10:57 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 10:57 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	09/23/13 10:57 PM
Surr: 1,2-Dichloroethane-d4	96.6	0	70-120		%REC	1	09/23/13 10:57 PM
Surr: 4-Bromofluorobenzene	109	0	75-120		%REC	1	09/23/13 10:57 PM
Surr: Dibromofluoromethane	97.8	0	85-115		%REC	1	09/23/13 10:57 PM
Surr: Toluene-d8	101	0	85-120		%REC	1	09/23/13 10:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-013-0913
Lab ID: 1309171-02
Collection Date: 09/18/13 10:36 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		M8015D			Analyst: AV		
TPH-DRO C10-C28	<0.0800	0.0800	0.100		mg/L	1	09/23/13 10:17 AM
Surr: Isopropylbenzene	45.6	0	47-142	S	%REC	1	09/23/13 10:17 AM
Surr: Octacosane	85.0	0	51-124		%REC	1	09/23/13 10:17 AM
TRACE METALS: ICP-MS - WATER		SW6020A			Analyst: SW		
Chromium	0.148	0.00200	0.00600		mg/L	1	09/26/13 07:45 PM
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,1-Dichloroethane	0.00127	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:10 AM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:10 AM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:10 AM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	09/24/13 02:10 AM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:10 AM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	09/24/13 02:10 AM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	09/24/13 02:10 AM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-013-0913
Lab ID: 1309171-02
Collection Date: 09/18/13 10:36 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Chloroform	0.00193	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:10 AM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:10 AM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	09/24/13 02:10 AM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:10 AM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:10 AM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:10 AM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Trichloroethene	0.00660	0.000600	0.00200		mg/L	1	09/24/13 02:10 AM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:10 AM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	09/24/13 02:10 AM
Surr: 1,2-Dichloroethane-d4	101	0	70-120		%REC	1	09/24/13 02:10 AM
Surr: 4-Bromofluorobenzene	108	0	75-120		%REC	1	09/24/13 02:10 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-013-0913
Lab ID: 1309171-02
Collection Date: 09/18/13 10:36 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C		Analyst: DEW			
Surr: Dibromofluoromethane	96.3	0	85-115		%REC	1	09/24/13 02:10 AM
Surr: Toluene-d8	102	0	85-120		%REC	1	09/24/13 02:10 AM
HEXAVALENT CHROMIUM-WATER		M3500-CR D		Analyst: LM			
Hexavalent Chromium	<0.00800	0.00800	0.0100		mg/L	1	09/19/13 11:44 AM
PH		M4500-H+ B		Analyst: JBC			
pH	7.13	0	0		pH Units@16.1°C	1	09/19/13 10:36 AM
TOTAL ORGANIC CARBON		M5310C		Analyst: JCG			
Total Organic Carbon	1.23	0.300	1.00		mg/L	1	09/23/13 08:35 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-012-0913
Lab ID: 1309171-03
Collection Date: 09/18/13 12:03 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		M8015D			Analyst: AV		
TPH-DRO C10-C28	<0.0800	0.0800	0.100		mg/L	1	09/23/13 10:25 AM
Surr: Isopropylbenzene	49.0	0	47-142		%REC	1	09/23/13 10:25 AM
Surr: Octacosane	85.9	0	51-124		%REC	1	09/23/13 10:25 AM
TRACE METALS: ICP-MS - WATER		SW6020A			Analyst: SW		
Chromium	1.31	0.00200	0.00600		mg/L	1	09/26/13 07:51 PM
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,1-Dichloroethane	0.00155	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:34 AM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:34 AM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:34 AM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	09/24/13 02:34 AM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:34 AM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	09/24/13 02:34 AM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	09/24/13 02:34 AM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-012-0913
Lab ID: 1309171-03
Collection Date: 09/18/13 12:03 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
Chloroform	0.000410	0.000300	0.00100	J	mg/L	1	09/24/13 02:34 AM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:34 AM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:34 AM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	09/24/13 02:34 AM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:34 AM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:34 AM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:34 AM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Trichloroethene	0.00928	0.000600	0.00200		mg/L	1	09/24/13 02:34 AM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:34 AM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	09/24/13 02:34 AM
Surr: 1,2-Dichloroethane-d4	103	0	70-120		%REC	1	09/24/13 02:34 AM
Surr: 4-Bromofluorobenzene	108	0	75-120		%REC	1	09/24/13 02:34 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified
 B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-012-0913
Lab ID: 1309171-03
Collection Date: 09/18/13 12:03 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C		Analyst: DEW			
Surr: Dibromofluoromethane	98.8	0	85-115		%REC	1	09/24/13 02:34 AM
Surr: Toluene-d8	101	0	85-120		%REC	1	09/24/13 02:34 AM
HEXAVALENT CHROMIUM-WATER		M3500-CR D		Analyst: LM			
Hexavalent Chromium	<0.00800	0.00800	0.0100		mg/L	1	09/19/13 11:44 AM
PH		M4500-H+ B		Analyst: JBC			
pH	7.11	0	0		pH Units@16.1°C	1	09/19/13 10:38 AM
TOTAL ORGANIC CARBON		M5310C		Analyst: JCG			
Total Organic Carbon	2.07	0.300	1.00		mg/L	1	09/23/13 09:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-112-0913
Lab ID: 1309171-04
Collection Date: 09/18/13 12:03 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		M8015D			Analyst: AV		
TPH-DRO C10-C28	<0.0800	0.0800	0.100		mg/L	1	09/23/13 10:34 AM
Surr: Isopropylbenzene	40.6	0	47-142	S	%REC	1	09/23/13 10:34 AM
Surr: Octacosane	78.3	0	51-124		%REC	1	09/23/13 10:34 AM
TRACE METALS: ICP-MS - WATER		SW6020A			Analyst: SW		
Chromium	1.33	0.00200	0.00600		mg/L	1	09/26/13 07:57 PM
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,1-Dichloroethane	0.00153	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:58 AM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:58 AM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:58 AM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	09/24/13 02:58 AM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 02:58 AM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	09/24/13 02:58 AM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	09/24/13 02:58 AM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-112-0913
Lab ID: 1309171-04
Collection Date: 09/18/13 12:03 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
Chloroform	0.000420	0.000300	0.00100	J	mg/L	1	09/24/13 02:58 AM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 02:58 AM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:58 AM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	09/24/13 02:58 AM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 02:58 AM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:58 AM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 02:58 AM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Trichloroethene	0.00962	0.000600	0.00200		mg/L	1	09/24/13 02:58 AM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 02:58 AM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	09/24/13 02:58 AM
Surr: 1,2-Dichloroethane-d4	103	0	70-120		%REC	1	09/24/13 02:58 AM
Surr: 4-Bromofluorobenzene	109	0	75-120		%REC	1	09/24/13 02:58 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-112-0913
Lab ID: 1309171-04
Collection Date: 09/18/13 12:03 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C		Analyst: DEW			
Surr: Dibromofluoromethane	97.5	0	85-115		%REC	1	09/24/13 02:58 AM
Surr: Toluene-d8	102	0	85-120		%REC	1	09/24/13 02:58 AM
HEXAVALENT CHROMIUM-WATER		M3500-CR D		Analyst: LM			
Hexavalent Chromium	<0.00800	0.00800	0.0100		mg/L	1	09/19/13 11:44 AM
PH		M4500-H+ B		Analyst: JBC			
pH	7.08	0	0		pH Units@16.5°C	1	09/19/13 10:40 AM
TOTAL ORGANIC CARBON		M5310C		Analyst: JCG			
Total Organic Carbon	2.21	0.300	1.00		mg/L	1	09/23/13 09:26 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-FB-001-0913
Lab ID: 1309171-05
Collection Date: 09/18/13 12:03 PM
Matrix: FIELD BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 11:21 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 11:21 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 11:21 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	09/23/13 11:21 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/23/13 11:21 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	09/23/13 11:21 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 11:21 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 11:21 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 11:21 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 11:21 PM
Acetone	0.00577	0.00500	0.0150	J	mg/L	1	09/23/13 11:21 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	09/23/13 11:21 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 11:21 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified
 B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-FB-001-0913
Lab ID: 1309171-05
Collection Date: 09/18/13 12:03 PM
Matrix: FIELD BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	09/23/13 11:21 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 11:21 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	09/23/13 11:21 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/23/13 11:21 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 11:21 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 11:21 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/23/13 11:21 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/23/13 11:21 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	09/23/13 11:21 PM
Surr: 1,2-Dichloroethane-d4	97.8	0	70-120		%REC	1	09/23/13 11:21 PM
Surr: 4-Bromofluorobenzene	106	0	75-120		%REC	1	09/23/13 11:21 PM
Surr: Dibromofluoromethane	96.7	0	85-115		%REC	1	09/23/13 11:21 PM
Surr: Toluene-d8	99.3	0	85-120		%REC	1	09/23/13 11:21 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-016-0913
Lab ID: 1309171-06
Collection Date: 09/18/13 01:18 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		M8015D		Analyst: AV			
TPH-DRO C10-C28	<0.0800	0.0800	0.100		mg/L	1	09/23/13 10:42 AM
Surr: Isopropylbenzene	47.7	0	47-142		%REC	1	09/23/13 10:42 AM
Surr: Octacosane	87.5	0	51-124		%REC	1	09/23/13 10:42 AM
TRACE METALS: ICP-MS - WATER		SW6020A		Analyst: SW			
Chromium	16.8	0.100	0.300		mg/L	50	09/30/13 06:23 PM
8260 WATER VOLATILES BY GC/MS		SW8260C		Analyst: DEW			
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,1-Dichloroethane	0.00141	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,1-Dichloroethene	0.00565	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 03:22 AM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 03:22 AM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 03:22 AM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	09/24/13 03:22 AM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	09/24/13 03:22 AM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	09/24/13 03:22 AM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	09/24/13 03:22 AM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-016-0913
Lab ID: 1309171-06
Collection Date: 09/18/13 01:18 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C			Analyst: DEW		
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
Chloroform	0.000930	0.000300	0.00100	J	mg/L	1	09/24/13 03:22 AM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	09/24/13 03:22 AM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 03:22 AM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	09/24/13 03:22 AM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/24/13 03:22 AM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 03:22 AM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/24/13 03:22 AM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	09/24/13 03:22 AM
Trichloroethene	0.0758	0.000600	0.00200		mg/L	1	09/24/13 03:22 AM
Trichlorofluoromethane	0.000250	0.000200	0.00100	J	mg/L	1	09/24/13 03:22 AM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	09/24/13 03:22 AM
Surr: 1,2-Dichloroethane-d4	101	0	70-120		%REC	1	09/24/13 03:22 AM
Surr: 4-Bromofluorobenzene	106	0	75-120		%REC	1	09/24/13 03:22 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified
 B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 01-Oct-13

CLIENT: Zia Engineering & Environmental
Project: HELSTF Diesel Spill
Project No:
Lab Order: 1309171

Client Sample ID: HLSF-0154-DRW-016-0913
Lab ID: 1309171-06
Collection Date: 09/18/13 01:18 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		SW8260C		Analyst: DEW			
Surr: Dibromofluoromethane	96.2	0	85-115		%REC	1	09/24/13 03:22 AM
Surr: Toluene-d8	101	0	85-120		%REC	1	09/24/13 03:22 AM
HEXAVALENT CHROMIUM-WATER		M3500-CR D		Analyst: LM			
Hexavalent Chromium	0.266	0.00800	0.0100		mg/L	1	09/19/13 11:46 AM
PH		M4500-H+ B		Analyst: JBC			
pH	7.35	0	0		pH Units@15.7°C	1	09/19/13 10:41 AM
TOTAL ORGANIC CARBON		M5310C		Analyst: JCG			
Total Organic Carbon	1.99	0.300	1.00		mg/L	1	09/23/13 09:51 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Zia Engineering & Environmental

ANALYTICAL QC SUMMARY REPORT

Work Order: 1309171

Project: HELSTF Diesel Spill

RunID: GC15_130923A

The QC data in batch 59572 applies to the following samples: 1309171-02E, 1309171-03E, 1309171-04E, 1309171-06E

Sample ID	LCS-59572	Batch ID:	59572	TestNo:	M8015D	Units:	mg/L			
SampType:	LCS	Run ID:	GC15_130923A	Analysis Date:	9/23/2013 9:51:44 AM	Prep Date:	9/20/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.950	0.100	1.250	0	76.0	50	114			
Surr: Isopropylbenzene	0.0401		0.1000		40.1	47	142			S
Surr: Octacosane	0.0822		0.1000		82.2	51	124			

Sample ID	MB-59572	Batch ID:	59572	TestNo:	M8015D	Units:	mg/L			
SampType:	MBLK	Run ID:	GC15_130923A	Analysis Date:	9/23/2013 10:08:43 AM	Prep Date:	9/20/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	<0.0800	0.100								
Surr: Isopropylbenzene	0.0455		0.1000		45.5	47	142			S
Surr: Octacosane	0.0855		0.1000		85.5	51	124			

Sample ID	1309172-05DMS	Batch ID:	59572	TestNo:	M8015D	Units:	mg/L			
SampType:	MS	Run ID:	GC15_130923A	Analysis Date:	9/23/2013 11:41:51 AM	Prep Date:	9/20/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	2.06	0.100	1.250	1.505	44.0	50	114			S
Surr: Isopropylbenzene	0.0427		0.1000		42.7	47	142			S
Surr: Octacosane	0.0864		0.1000		86.4	51	124			

Sample ID	1309172-05DMSD	Batch ID:	59572	TestNo:	M8015D	Units:	mg/L			
SampType:	MSD	Run ID:	GC15_130923A	Analysis Date:	9/23/2013 11:50:18 AM	Prep Date:	9/20/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	2.21	0.100	1.250	1.505	56.3	50	114	7.20	30	
Surr: Isopropylbenzene	0.0695		0.1000		69.5	47	142	0	0	
Surr: Octacosane	0.145		0.1000		145	51	124	0	0	S

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_130923A

Sample ID: ICV-130923	Batch ID: R68775	TestNo: M8015D	Units: mg/L
SampType: ICV	Run ID: GC15_130923A	Analysis Date: 9/23/2013 9:39:23 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	505	0.100	500.0	0	101	80	120			
Surr: Isopropylbenzene	25.7		25.00		103	80	120			
Surr: Octacosane	20.2		25.00		80.8	80	120			

Sample ID: CCV1-130923	Batch ID: R68775	TestNo: M8015D	Units: mg/L
SampType: CCV	Run ID: GC15_130923A	Analysis Date: 9/23/2013 11:58:50 AM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	253	0.100	250.0	0	101	80	120			
Surr: Isopropylbenzene	13.0		12.50		104	80	120			
Surr: Octacosane	13.6		12.50		109	80	120			

<p>Qualifiers:</p> <p>B Analyte detected in the associated Method Blank</p> <p>J Analyte detected between MDL and RL</p> <p>ND Not Detected at the Method Detection Limit</p> <p>RL Reporting Limit</p> <p>J Analyte detected between SDL and RL</p>	<p>DF Dilution Factor</p> <p>MDL Method Detection Limit</p> <p>R RPD outside accepted control limits</p> <p>S Spike Recovery outside control limits</p> <p>N Parameter not NELAC certified</p>
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CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_130926B

The QC data in batch 59647 applies to the following samples: 1309171-02C, 1309171-03C, 1309171-04C, 1309171-06C

Sample ID MB-59647	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: MBLK	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 5:21:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	<0.00200	0.00500								
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Sample ID LCS-59647	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: LCS	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 5:27:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.190	0.00500	0.200	0	94.8	80	120			
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Sample ID LCSD-59647	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: LCSD	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 5:33:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.188	0.00500	0.200	0	93.9	80	120	0.901	20	
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Sample ID 1309204-09D SD	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: SD	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 5:51:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.0298	0.0250	0	0.0276				7.87	10	
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Sample ID 1309204-09D PDS	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: PDS	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 6:33:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.208	0.00500	0.200	0.0276	90.1	80	120			
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Sample ID 1309204-09D MS	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: MS	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 6:39:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.202	0.00500	0.200	0.0276	87.4	80	120			
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Sample ID 1309204-09D MSD	Batch ID: 59647	TestNo: SW6020A	Units: mg/L							
SampType: MSD	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 6:44:00 PM	Prep Date: 9/26/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.199	0.00500	0.200	0.0276	85.8	80	120	1.59	20	
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Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
J Analyte detected between MDL and RL	MDL Method Detection Limit	R RPD outside accepted control limits
ND Not Detected at the Method Detection Limit	S Spike Recovery outside control limits	N Parameter not NELAC certified
RL Reporting Limit		
J Analyte detected between SDL and RL		

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_130926B

Sample ID ICV1-130926	Batch ID: R68870	TestNo: SW6020A	Units: mg/L							
SampType: ICV	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 2:19:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.0970	0.00500	0.100	0	97.0	90	110			
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Sample ID CCV1-130926	Batch ID: R68870	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 4:32:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.186	0.00500	0.200	0	93.1	90	110			
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Sample ID CCV2-130926	Batch ID: R68870	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 7:02:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.200	0.00500	0.200	0	100	90	110			
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Sample ID CCV3-130926	Batch ID: R68870	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS3_130926B	Analysis Date: 9/26/2013 8:38:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.194	0.00500	0.200	0	97.1	90	110			
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<p>Qualifiers:</p> <p>B Analyte detected in the associated Method Blank</p> <p>J Analyte detected between MDL and RL</p> <p>ND Not Detected at the Method Detection Limit</p> <p>RL Reporting Limit</p> <p>J Analyte detected between SDL and RL</p>	<p>DF Dilution Factor</p> <p>MDL Method Detection Limit</p> <p>R RPD outside accepted control limits</p> <p>S Spike Recovery outside control limits</p> <p>N Parameter not NELAC certified</p>
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CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_130930C

Sample ID: ICV1-130930	Batch ID: R68889	TestNo: SW6020A	Units: mg/L							
SampType: ICV	Run ID: ICP-MS3_130930C	Analysis Date: 9/30/2013 1:05:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.0940	0.00500	0.100	0	94.0	90	110			
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Sample ID: CCV2-130930	Batch ID: R68889	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS3_130930C	Analysis Date: 9/30/2013 5:11:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.197	0.00500	0.200	0	98.6	90	110			
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Sample ID: CCV3-130930	Batch ID: R68889	TestNo: SW6020A	Units: mg/L							
SampType: CCV	Run ID: ICP-MS3_130930C	Analysis Date: 9/30/2013 6:41:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium	0.192	0.00500	0.200	0	95.8	90	110			
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Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

The QC data in batch 59606 applies to the following samples: 1309171-01A, 1309171-02A, 1309171-03A, 1309171-04A, 1309171-05A, 1309171-06A

Sample ID: LCS-59606	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: LCS	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 8:08:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0230	0.00100	0.0232	0	99.1	80	130			
1,1,1-Trichloroethane	0.0227	0.00100	0.0232	0	98.0	65	130			
1,1,2,2-Tetrachloroethane	0.0247	0.00100	0.0232	0	106	65	130			
1,1,2-Trichloroethane	0.0241	0.00100	0.0232	0	104	75	125			
1,1-Dichloroethane	0.0235	0.00100	0.0232	0	101	70	135			
1,1-Dichloroethene	0.0237	0.00100	0.0232	0	102	70	130			
1,1-Dichloropropene	0.0248	0.00100	0.0232	0	107	75	130			
1,2,3-Trichlorobenzene	0.0236	0.00500	0.0232	0	102	55	140			
1,2,3-Trichloropropane	0.0245	0.00100	0.0232	0	106	75	125			
1,2,4-Trichlorobenzene	0.0233	0.00500	0.0232	0	100	65	135			
1,2,4-Trimethylbenzene	0.0254	0.00500	0.0232	0	109	75	130			
1,2-Dibromo-3-chloropropane	0.0213	0.0100	0.0232	0	91.6	50	130			
1,2-Dibromoethane	0.0233	0.00100	0.0232	0	100	80	120			
1,2-Dichlorobenzene	0.0242	0.00100	0.0232	0	104	70	120			
1,2-Dichloroethane	0.0224	0.00100	0.0232	0	96.5	70	130			
1,2-Dichloropropane	0.0241	0.00100	0.0232	0	104	75	125			
1,3,5-Trimethylbenzene	0.0250	0.00500	0.0232	0	108	75	130			
1,3-Dichlorobenzene	0.0243	0.00100	0.0232	0	105	75	125			
1,3-Dichloropropane	0.0236	0.00100	0.0232	0	102	75	125			
1,4-Dichloro-2-butene	0.0228	0.00200	0.0232	0	98.2	50	150			
1,4-Dichlorobenzene	0.0235	0.00100	0.0232	0	101	75	125			
2,2-Dichloropropane	0.0234	0.00100	0.0232	0	101	70	135			
2-Butanone	0.111	0.0150	0.116	0	95.7	30	150			
2-Chloroethylvinylether	0.0237	0.0150	0.0232	0	102	50	150			
2-Chlorotoluene	0.0242	0.00100	0.0232	0	104	75	125			
2-Hexanone	0.114	0.0150	0.116	0	98.1	55	130			
4-Chlorotoluene	0.0244	0.00100	0.0232	0	105	75	130			
4-Methyl-2-pentanone	0.123	0.0150	0.116	0	106	60	135			
Acetone	0.114	0.0150	0.116	0	98.3	40	140			
Acrylonitrile	0.0534	0.00300	0.0464	0	115	50	150			
Benzene	0.0242	0.00100	0.0232	0	104	80	120			
Bromobenzene	0.0246	0.00100	0.0232	0	106	75	125			
Bromochloromethane	0.0238	0.00100	0.0232	0	103	65	130			
Bromodichloromethane	0.0232	0.00100	0.0232	0	100	75	120			
Bromoform	0.0205	0.00100	0.0232	0	88.2	70	130			
Bromomethane	0.0234	0.00100	0.0232	0	101	30	145			
Carbon disulfide	0.0222	0.0150	0.0232	0	95.8	35	160			
Carbon tetrachloride	0.0229	0.00100	0.0232	0	98.5	65	140			
Chlorobenzene	0.0233	0.00100	0.0232	0	100	80	120			
Chloroethane	0.0229	0.00100	0.0232	0	98.6	60	135			

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
	J Analyte detected between MDL and RL	MDL Method Detection Limit
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
	RL Reporting Limit	S Spike Recovery outside control limits
	J Analyte detected between SDL and RL	N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID: LCS-59606	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: LCS	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 8:08:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloroform	0.0234	0.00100	0.0232	0	101	65	135			
Chloromethane	0.0204	0.00100	0.0232	0	87.8	40	125			
cis-1,2-Dichloroethene	0.0248	0.00100	0.0232	0	107	70	125			
cis-1,3-Dichloropropene	0.0226	0.00100	0.0232	0	97.5	70	130			
Dibromochloromethane	0.0235	0.00100	0.0232	0	101	60	135			
Dibromomethane	0.0232	0.00100	0.0232	0	100	75	125			
Dichlorodifluoromethane	0.0176	0.00100	0.0232	0	75.9	30	155			
Ethylbenzene	0.0235	0.00100	0.0232	0	101	75	125			
Iodomethane	0.0196	0.0150	0.0232	0	84.4	50	150			
Isopropylbenzene	0.0245	0.00100	0.0232	0	106	75	125			
m,p-Xylene	0.0486	0.00200	0.0464	0	105	75	130			
Methyl tert-butyl ether	0.0250	0.00100	0.0232	0	108	65	125			
Methylene chloride	0.0247	0.00250	0.0232	0	106	55	140			
n-Butylbenzene	0.0252	0.00100	0.0232	0	109	70	135			
n-Propylbenzene	0.0247	0.00100	0.0232	0	106	70	130			
o-Xylene	0.0242	0.00100	0.0232	0	104	80	120			
p-Isopropyltoluene	0.0249	0.00100	0.0232	0	107	75	130			
sec-Butylbenzene	0.0253	0.00100	0.0232	0	109	70	125			
Styrene	0.0247	0.00100	0.0232	0	106	65	135			
tert-Butylbenzene	0.0250	0.00100	0.0232	0	108	70	130			
Tetrachloroethene	0.0235	0.00200	0.0232	0	101	45	150			
Toluene	0.0243	0.00200	0.0232	0	105	75	120			
trans-1,2-Dichloroethene	0.0245	0.00100	0.0232	0	106	60	140			
trans-1,3-Dichloropropene	0.0220	0.00100	0.0232	0	95.0	55	140			
Trichloroethene	0.0240	0.00200	0.0232	0	103	70	125			
Trichlorofluoromethane	0.0212	0.00100	0.0232	0	91.4	60	145			
Vinyl chloride	0.0206	0.00100	0.0232	0	89.0	50	145			
Surr: 1,2-Dichloroethane-d4	191		200.0		95.7	70	120			
Surr: 4-Bromofluorobenzene	201		200.0		100	75	120			
Surr: Dibromofluoromethane	199		200.0		99.6	85	115			
Surr: Toluene-d8	196		200.0		97.9	85	120			

Sample ID: MB-59606	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MBLK	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 8:57:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	<0.000200	0.00100								
1,1,1-Trichloroethane	<0.000200	0.00100								
1,1,2,2-Tetrachloroethane	<0.000200	0.00100								
1,1,2-Trichloroethane	<0.000200	0.00100								
1,1-Dichloroethane	<0.000200	0.00100								

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID MB-59606	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MBLK	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 8:57:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	<0.000200	0.00100								
1,1-Dichloropropene	<0.000200	0.00100								
1,2,3-Trichlorobenzene	<0.00150	0.00500								
1,2,3-Trichloropropane	<0.000300	0.00100								
1,2,4-Trichlorobenzene	<0.00150	0.00500								
1,2,4-Trimethylbenzene	<0.00150	0.00500								
1,2-Dibromo-3-chloropropane	<0.00300	0.0100								
1,2-Dibromoethane	<0.000200	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000200	0.00100								
1,3,5-Trimethylbenzene	<0.00150	0.00500								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichloropropane	<0.000200	0.00100								
1,4-Dichloro-2-butene	<0.00200	0.00200								
1,4-Dichlorobenzene	<0.000300	0.00100								
2,2-Dichloropropane	<0.000200	0.00100								
2-Butanone	<0.00500	0.0150								
2-Chloroethylvinylether	<0.00500	0.0150								
2-Chlorotoluene	<0.000300	0.00100								
2-Hexanone	<0.00500	0.0150								
4-Chlorotoluene	<0.000300	0.00100								
4-Methyl-2-pentanone	<0.00500	0.0150								
Acetone	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
Benzene	<0.000200	0.00100								
Bromobenzene	<0.000200	0.00100								
Bromochloromethane	<0.000200	0.00100								
Bromodichloromethane	<0.000200	0.00100								
Bromoform	<0.000200	0.00100								
Bromomethane	<0.000300	0.00100								
Carbon disulfide	<0.00500	0.0150								
Carbon tetrachloride	<0.000200	0.00100								
Chlorobenzene	<0.000200	0.00100								
Chloroethane	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chloromethane	<0.000300	0.00100								
cis-1,2-Dichloroethene	<0.000200	0.00100								
cis-1,3-Dichloropropene	<0.000200	0.00100								
Dibromochloromethane	<0.000200	0.00100								
Dibromomethane	<0.000200	0.00100								

Qualifiers:
 B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID MB-59606	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MBLK	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 8:57:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	<0.000200	0.00100								
Ethylbenzene	<0.000300	0.00100								
Iodomethane	<0.00500	0.0150								
Isopropylbenzene	<0.000200	0.00100								
m,p-Xylene	<0.000600	0.00200								
Methyl tert-butyl ether	<0.000300	0.00100								
Methylene chloride	<0.00250	0.00250								
n-Butylbenzene	<0.000300	0.00100								
n-Propylbenzene	<0.000300	0.00100								
o-Xylene	<0.000300	0.00100								
p-Isopropyltoluene	<0.000300	0.00100								
sec-Butylbenzene	<0.000300	0.00100								
Styrene	<0.000200	0.00100								
tert-Butylbenzene	<0.000300	0.00100								
Tetrachloroethene	<0.000600	0.00200								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethene	<0.000200	0.00100								
trans-1,3-Dichloropropene	<0.000200	0.00100								
Trichloroethene	<0.000600	0.00200								
Trichlorofluoromethane	<0.000200	0.00100								
Vinyl chloride	<0.000100	0.00100								
Surr: 1,2-Dichloroethane-d4	186		200.0		93.0	70	120			
Surr: 4-Bromofluorobenzene	215		200.0		107	75	120			
Surr: Dibromofluoromethane	193		200.0		96.5	85	115			
Surr: Toluene-d8	201		200.0		100	85	120			

Sample ID 1309204-09AMS	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MS	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 9:45:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0230	0.00100	0.0232	0	99.4	80	130			
1,1,1-Trichloroethane	0.0229	0.00100	0.0232	0	98.5	65	130			
1,1,2,2-Tetrachloroethane	0.0247	0.00100	0.0232	0	107	65	130			
1,1,2-Trichloroethane	0.0241	0.00100	0.0232	0	104	75	125			
1,1-Dichloroethane	0.0235	0.00100	0.0232	0	101	70	135			
1,1-Dichloroethene	0.0230	0.00100	0.0232	0	99.3	70	130			
1,1-Dichloropropene	0.0247	0.00100	0.0232	0	106	75	130			
1,2,3-Trichlorobenzene	0.0235	0.00500	0.0232	0	101	55	140			
1,2,3-Trichloropropane	0.0251	0.00100	0.0232	0	108	75	125			
1,2,4-Trichlorobenzene	0.0237	0.00500	0.0232	0	102	65	135			
1,2,4-Trimethylbenzene	0.0244	0.00500	0.0232	0	105	75	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID: 1309204-09AMS	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MS	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 9:45:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.0232	0.0100	0.0232	0	99.8	50	130			
1,2-Dibromoethane	0.0245	0.00100	0.0232	0	105	80	120			
1,2-Dichlorobenzene	0.0246	0.00100	0.0232	0	106	70	120			
1,2-Dichloroethane	0.0231	0.00100	0.0232	0	99.6	70	130			
1,2-Dichloropropane	0.0243	0.00100	0.0232	0	105	75	125			
1,3,5-Trimethylbenzene	0.0243	0.00500	0.0232	0	105	75	130			
1,3-Dichlorobenzene	0.0242	0.00100	0.0232	0	104	75	125			
1,3-Dichloropropane	0.0241	0.00100	0.0232	0	104	75	125			
1,4-Dichloro-2-butene	0.0231	0.00200	0.0232	0	99.7	50	150			
1,4-Dichlorobenzene	0.0234	0.00100	0.0232	0	101	75	125			
2,2-Dichloropropane	0.0221	0.00100	0.0232	0	95.3	70	135			
2-Butanone	0.122	0.0150	0.116	0	105	30	150			
2-Chloroethylvinylether	0.0242	0.0150	0.0232	0	104	50	150			
2-Chlorotoluene	0.0239	0.00100	0.0232	0	103	75	125			
2-Hexanone	0.135	0.0150	0.116	0	117	55	130			
4-Chlorotoluene	0.0240	0.00100	0.0232	0	103	75	130			
4-Methyl-2-pentanone	0.144	0.0150	0.116	0	124	60	135			
Acetone	0.122	0.0150	0.116	0	105	40	140			
Acrylonitrile	0.0551	0.00300	0.0464	0	119	50	150			
Benzene	0.0239	0.00100	0.0232	0	103	80	120			
Bromobenzene	0.0236	0.00100	0.0232	0	102	75	125			
Bromochloromethane	0.0241	0.00100	0.0232	0	104	65	130			
Bromodichloromethane	0.0232	0.00100	0.0232	0	99.8	75	120			
Bromoform	0.0211	0.00100	0.0232	0	90.8	70	130			
Bromomethane	0.0231	0.00100	0.0232	0	99.5	30	145			
Carbon disulfide	0.0211	0.0150	0.0232	0	90.8	35	160			
Carbon tetrachloride	0.0225	0.00100	0.0232	0	96.9	65	140			
Chlorobenzene	0.0237	0.00100	0.0232	0	102	80	120			
Chloroethane	0.0219	0.00100	0.0232	0	94.4	60	135			
Chloroform	0.0238	0.00100	0.0232	0	103	65	135			
Chloromethane	0.0212	0.00100	0.0232	0	91.3	40	125			
cis-1,2-Dichloroethene	0.0243	0.00100	0.0232	0	105	70	125			
cis-1,3-Dichloropropene	0.0221	0.00100	0.0232	0	95.1	70	130			
Dibromochloromethane	0.0237	0.00100	0.0232	0	102	60	135			
Dibromomethane	0.0240	0.00100	0.0232	0	104	75	125			
Dichlorodifluoromethane	0.0183	0.00100	0.0232	0	78.7	30	155			
Ethylbenzene	0.0237	0.00100	0.0232	0	102	75	125			
Iodomethane	0.0153	0.0150	0.0232	0	65.8	50	150			
Isopropylbenzene	0.0244	0.00100	0.0232	0	105	75	125			
m,p-Xylene	0.0490	0.00200	0.0464	0	106	75	130			
Methyl tert-butyl ether	0.0249	0.00100	0.0232	0	107	65	125			

Qualifiers:	<p>B Analyte detected in the associated Method Blank</p> <p>J Analyte detected between MDL and RL</p> <p>ND Not Detected at the Method Detection Limit</p> <p>RL Reporting Limit</p> <p>J Analyte detected between SDL and RL</p>	<p>DF Dilution Factor</p> <p>MDL Method Detection Limit</p> <p>R RPD outside accepted control limits</p> <p>S Spike Recovery outside control limits</p> <p>N Parameter not NELAC certified</p>
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CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID: 1309204-09AMS	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MS	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 9:45:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methylene chloride	0.0246	0.00250	0.0232	0	106	55	140			
n-Butylbenzene	0.0252	0.00100	0.0232	0	108	70	135			
n-Propylbenzene	0.0237	0.00100	0.0232	0	102	70	130			
o-Xylene	0.0248	0.00100	0.0232	0	107	80	120			
p-Isopropyltoluene	0.0250	0.00100	0.0232	0	108	75	130			
sec-Butylbenzene	0.0246	0.00100	0.0232	0	106	70	125			
Styrene	0.0247	0.00100	0.0232	0	106	65	135			
tert-Butylbenzene	0.0240	0.00100	0.0232	0	103	70	130			
Tetrachloroethene	0.0237	0.00200	0.0232	0	102	45	150			
Toluene	0.0240	0.00200	0.0232	0	104	75	120			
trans-1,2-Dichloroethene	0.0242	0.00100	0.0232	0	104	60	140			
trans-1,3-Dichloropropene	0.0218	0.00100	0.0232	0	93.9	55	140			
Trichloroethene	0.0232	0.00200	0.0232	0	100	70	125			
Trichlorofluoromethane	0.0213	0.00100	0.0232	0	91.9	60	145			
Vinyl chloride	0.0206	0.00100	0.0232	0	88.8	50	145			
Surr: 1,2-Dichloroethane-d4	195		200.0		97.7	70	120			
Surr: 4-Bromofluorobenzene	195		200.0		97.6	75	120			
Surr: Dibromofluoromethane	199		200.0		99.7	85	115			
Surr: Toluene-d8	195		200.0		97.4	85	120			

Sample ID: 1309204-09AMSD	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MSD	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 10:09:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0227	0.00100	0.0232	0	97.7	80	130	1.66	30	
1,1,1-Trichloroethane	0.0221	0.00100	0.0232	0	95.1	65	130	3.56	30	
1,1,1,2,2-Tetrachloroethane	0.0248	0.00100	0.0232	0	107	65	130	0.162	30	
1,1,2-Trichloroethane	0.0239	0.00100	0.0232	0	103	75	125	1.00	30	
1,1-Dichloroethane	0.0224	0.00100	0.0232	0	96.4	70	135	4.88	30	
1,1-Dichloroethene	0.0224	0.00100	0.0232	0	96.6	70	130	2.77	30	
1,1-Dichloropropene	0.0239	0.00100	0.0232	0	103	75	130	3.21	30	
1,2,3-Trichlorobenzene	0.0233	0.00500	0.0232	0	100	55	140	0.641	30	
1,2,3-Trichloropropane	0.0255	0.00100	0.0232	0	110	75	125	1.42	30	
1,2,4-Trichlorobenzene	0.0230	0.00500	0.0232	0	98.9	65	135	3.05	30	
1,2,4-Trimethylbenzene	0.0243	0.00500	0.0232	0	105	75	130	0.533	30	
1,2-Dibromo-3-chloropropane	0.0217	0.0100	0.0232	0	93.6	50	130	6.42	30	
1,2-Dibromoethane	0.0234	0.00100	0.0232	0	101	80	120	4.39	30	
1,2-Dichlorobenzene	0.0243	0.00100	0.0232	0	105	70	120	1.19	30	
1,2-Dichloroethane	0.0220	0.00100	0.0232	0	94.7	70	130	5.06	30	
1,2-Dichloropropane	0.0235	0.00100	0.0232	0	101	75	125	3.52	30	
1,3,5-Trimethylbenzene	0.0246	0.00500	0.0232	0	106	75	130	1.27	30	

Qualifiers: B Analyte detected in the associated Method Blank DF Dilution Factor
J Analyte detected between MDL and RL MDL Method Detection Limit
ND Not Detected at the Method Detection Limit R RPD outside accepted control limits
RL Reporting Limit S Spike Recovery outside control limits
J Analyte detected between SDL and RL N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID: 1309204-09AMSD	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MSD	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 10:09:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	0.0237	0.00100	0.0232	0	102	75	125	2.21	30	
1,3-Dichloropropane	0.0236	0.00100	0.0232	0	102	75	125	2.05	30	
1,4-Dichloro-2-butene	0.0224	0.00200	0.0232	0	96.7	50	150	3.12	30	
1,4-Dichlorobenzene	0.0232	0.00100	0.0232	0	100	75	125	0.901	30	
2,2-Dichloropropane	0.0217	0.00100	0.0232	0	93.5	70	135	1.92	30	
2-Butanone	0.121	0.0150	0.116	0	104	30	150	1.10	30	
2-Chloroethylvinylether	0.0230	0.0150	0.0232	0	99.3	50	150	4.75	30	
2-Chlorotoluene	0.0236	0.00100	0.0232	0	102	75	125	1.22	30	
2-Hexanone	0.131	0.0150	0.116	0	113	55	130	3.02	30	
4-Chlorotoluene	0.0241	0.00100	0.0232	0	104	75	130	0.291	30	
4-Methyl-2-pentanone	0.144	0.0150	0.116	0	124	60	135	0.292	30	
Acetone	0.120	0.0150	0.116	0	104	40	140	1.55	30	
Acrylonitrile	0.0521	0.00300	0.0464	0	112	50	150	5.65	30	
Benzene	0.0238	0.00100	0.0232	0	103	80	120	0.503	30	
Bromobenzene	0.0237	0.00100	0.0232	0	102	75	125	0.339	30	
Bromochloromethane	0.0233	0.00100	0.0232	0	101	65	130	3.33	30	
Bromodichloromethane	0.0227	0.00100	0.0232	0	97.7	75	120	2.10	30	
Bromoform	0.0202	0.00100	0.0232	0	86.9	70	130	4.32	30	
Bromomethane	0.0226	0.00100	0.0232	0	97.3	30	145	2.28	30	
Carbon disulfide	0.0207	0.0150	0.0232	0	89.4	35	160	1.53	30	
Carbon tetrachloride	0.0218	0.00100	0.0232	0	94.1	65	140	2.84	30	
Chlorobenzene	0.0229	0.00100	0.0232	0	98.5	80	120	3.61	30	
Chloroethane	0.0216	0.00100	0.0232	0	93.0	60	135	1.56	30	
Chloroform	0.0229	0.00100	0.0232	0	98.8	65	135	3.89	30	
Chloromethane	0.0207	0.00100	0.0232	0	89.4	40	125	2.19	30	
cis-1,2-Dichloroethene	0.0233	0.00100	0.0232	0	100	70	125	4.16	30	
cis-1,3-Dichloropropene	0.0216	0.00100	0.0232	0	92.9	70	130	2.34	30	
Dibromochloromethane	0.0231	0.00100	0.0232	0	99.5	60	135	2.65	30	
Dibromomethane	0.0231	0.00100	0.0232	0	99.6	75	125	3.86	30	
Dichlorodifluoromethane	0.0176	0.00100	0.0232	0	75.8	30	155	3.79	30	
Ethylbenzene	0.0227	0.00100	0.0232	0	97.8	75	125	4.48	30	
Iodomethane	0.0161	0.0150	0.0232	0	69.6	50	150	5.54	30	
Isopropylbenzene	0.0236	0.00100	0.0232	0	102	75	125	3.33	30	
m,p-Xylene	0.0473	0.00200	0.0464	0	102	75	130	3.41	30	
Methyl tert-butyl ether	0.0246	0.00100	0.0232	0	106	65	125	1.05	30	
Methylene chloride	0.0238	0.00250	0.0232	0	103	55	140	3.26	30	
n-Butylbenzene	0.0245	0.00100	0.0232	0	106	70	135	2.70	30	
n-Propylbenzene	0.0238	0.00100	0.0232	0	103	70	130	0.505	30	
o-Xylene	0.0240	0.00100	0.0232	0	104	80	120	3.11	30	
p-Isopropyltoluene	0.0242	0.00100	0.0232	0	104	75	130	3.58	30	
sec-Butylbenzene	0.0240	0.00100	0.0232	0	103	70	125	2.76	30	

Qualifiers:	<p>B Analyte detected in the associated Method Blank</p> <p>J Analyte detected between MDL and RL</p> <p>ND Not Detected at the Method Detection Limit</p> <p>RL Reporting Limit</p> <p>J Analyte detected between SDL and RL</p>	<p>DF Dilution Factor</p> <p>MDL Method Detection Limit</p> <p>R RPD outside accepted control limits</p> <p>S Spike Recovery outside control limits</p> <p>N Parameter not NELAC certified</p>
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CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID: 1309204-09AMSD	Batch ID: 59606	TestNo: SW8260C	Units: mg/L
SampType: MSD	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 10:09:00 PM	Prep Date: 9/23/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Styrene	0.0243	0.00100	0.0232	0	105	65	135	1.59	30	
tert-Butylbenzene	0.0240	0.00100	0.0232	0	104	70	130	0.208	30	
Tetrachloroethene	0.0232	0.00200	0.0232	0	100	45	150	2.05	30	
Toluene	0.0235	0.00200	0.0232	0	101	75	120	2.31	30	
trans-1,2-Dichloroethene	0.0233	0.00100	0.0232	0	100	60	140	3.91	30	
trans-1,3-Dichloropropene	0.0208	0.00100	0.0232	0	89.4	55	140	4.89	30	
Trichloroethene	0.0228	0.00200	0.0232	0	98.3	70	125	1.91	30	
Trichlorofluoromethane	0.0208	0.00100	0.0232	0	89.8	60	145	2.32	30	
Vinyl chloride	0.0206	0.00100	0.0232	0	88.8	50	145	0.097	30	
Surr: 1,2-Dichloroethane-d4	191		200.0		95.7	70	120	0	0	
Surr: 4-Bromofluorobenzene	200		200.0		99.9	75	120	0	0	
Surr: Dibromofluoromethane	196		200.0		98.0	85	115	0	0	
Surr: Toluene-d8	198		200.0		98.8	85	120	0	0	

<p>Qualifiers:</p> <p>B Analyte detected in the associated Method Blank</p> <p>J Analyte detected between MDL and RL</p> <p>ND Not Detected at the Method Detection Limit</p> <p>RL Reporting Limit</p> <p>J Analyte detected between SDL and RL</p>	<p>DF Dilution Factor</p> <p>MDL Method Detection Limit</p> <p>R RPD outside accepted control limits</p> <p>S Spike Recovery outside control limits</p> <p>N Parameter not NELAC certified</p>
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CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID ICV-130923	Batch ID: R68790	TestNo: SW8260C	Units: mg/L
SampType: ICV	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 7:44:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0488	0.00100	0.0464	0	105	80	120			
1,1,1-Trichloroethane	0.0454	0.00100	0.0464	0	97.9	80	120			
1,1,2,2-Tetrachloroethane	0.0504	0.00100	0.0464	0	109	80	120			
1,1,2-Trichloroethane	0.0483	0.00100	0.0464	0	104	80	120			
1,1-Dichloroethane	0.0466	0.00100	0.0464	0	100	80	120			
1,1-Dichloroethene	0.0461	0.00100	0.0464	0	99.4	80	120			
1,1-Dichloropropene	0.0497	0.00100	0.0464	0	107	80	120			
1,2,3-Trichlorobenzene	0.0472	0.00500	0.0464	0	102	80	120			
1,2,3-Trichloropropane	0.0509	0.00100	0.0464	0	110	80	120			
1,2,4-Trichlorobenzene	0.0499	0.00500	0.0464	0	108	80	120			
1,2,4-Trimethylbenzene	0.0509	0.00500	0.0464	0	110	80	120			
1,2-Dibromo-3-chloropropane	0.0425	0.0100	0.0464	0	91.7	80	120			
1,2-Dibromoethane	0.0498	0.00100	0.0464	0	107	80	120			
1,2-Dichlorobenzene	0.0492	0.00100	0.0464	0	106	80	120			
1,2-Dichloroethane	0.0445	0.00100	0.0464	0	95.9	80	120			
1,2-Dichloropropane	0.0491	0.00100	0.0464	0	106	80	120			
1,3,5-Trimethylbenzene	0.0502	0.00500	0.0464	0	108	80	120			
1,3-Dichlorobenzene	0.0495	0.00100	0.0464	0	107	80	120			
1,3-Dichloropropane	0.0486	0.00100	0.0464	0	105	80	120			
1,4-Dichloro-2-butene	0.0474	0.00200	0.0464	0	102	80	120			
1,4-Dichlorobenzene	0.0467	0.00100	0.0464	0	101	80	120			
2,2-Dichloropropane	0.0485	0.00100	0.0464	0	104	80	120			
2-Butanone	0.231	0.0150	0.232	0	99.6	80	120			
2-Chloroethylvinylether	0.0480	0.0150	0.0464	0	103	80	120			
2-Chlorotoluene	0.0479	0.00100	0.0464	0	103	80	120			
2-Hexanone	0.239	0.0150	0.232	0	103	80	120			
4-Chlorotoluene	0.0492	0.00100	0.0464	0	106	80	120			
4-Methyl-2-pentanone	0.260	0.0150	0.232	0	112	80	120			
Acetone	0.225	0.0150	0.232	0	97.1	80	120			
Acrylonitrile	0.105	0.00300	0.0928	0	113	60	140			
Benzene	0.0486	0.00100	0.0464	0	105	80	120			
Bromobenzene	0.0489	0.00100	0.0464	0	105	80	120			
Bromochloromethane	0.0467	0.00100	0.0464	0	101	80	120			
Bromodichloromethane	0.0474	0.00100	0.0464	0	102	80	120			
Bromoform	0.0445	0.00100	0.0464	0	95.9	80	120			
Bromomethane	0.0414	0.00100	0.0464	0	89.2	80	120			
Carbon disulfide	0.0451	0.0150	0.0464	0	97.1	80	120			
Carbon tetrachloride	0.0462	0.00100	0.0464	0	99.5	80	120			
Chlorobenzene	0.0463	0.00100	0.0464	0	99.7	80	120			
Chloroethane	0.0461	0.00100	0.0464	0	99.3	80	120			
Chloroform	0.0464	0.00100	0.0464	0	100	80	120			

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor	
	J Analyte detected between MDL and RL	MDL Method Detection Limit	
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits	
	RL Reporting Limit	S Spike Recovery outside control limits	
	J Analyte detected between SDL and RL	N Parameter not NELAC certified	

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130923B

Sample ID ICV-130923	Batch ID: R68790	TestNo: SW8260C	Units: mg/L
SampType: ICV	Run ID: GCMS5_130923B	Analysis Date: 9/23/2013 7:44:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloromethane	0.0434	0.00100	0.0464	0	93.4	80	120			
cis-1,2-Dichloroethene	0.0491	0.00100	0.0464	0	106	80	120			
cis-1,3-Dichloropropene	0.0464	0.00100	0.0464	0	99.9	80	120			
Dibromochloromethane	0.0512	0.00100	0.0464	0	110	80	120			
Dibromomethane	0.0474	0.00100	0.0464	0	102	80	120			
Dichlorodifluoromethane	0.0372	0.00100	0.0464	0	80.3	80	120			
Ethylbenzene	0.0466	0.00100	0.0464	0	100	80	120			
Iodomethane	0.0423	0.0150	0.0464	0	91.2	80	120			
Isopropylbenzene	0.0499	0.00100	0.0464	0	108	80	120			
m,p-Xylene	0.0973	0.00200	0.0928	0	105	80	120			
Methyl tert-butyl ether	0.0511	0.00100	0.0464	0	110	80	120			
Methylene chloride	0.0490	0.00250	0.0464	0	106	80	120			
n-Butylbenzene	0.0539	0.00100	0.0464	0	116	80	120			
n-Propylbenzene	0.0492	0.00100	0.0464	0	106	80	120			
o-Xylene	0.0499	0.00100	0.0464	0	108	80	120			
p-Isopropyltoluene	0.0522	0.00100	0.0464	0	113	80	120			
sec-Butylbenzene	0.0509	0.00100	0.0464	0	110	80	120			
Styrene	0.0504	0.00100	0.0464	0	109	80	120			
tert-Butylbenzene	0.0505	0.00100	0.0464	0	109	80	120			
Tetrachloroethene	0.0489	0.00200	0.0464	0	105	80	120			
Toluene	0.0479	0.00200	0.0464	0	103	80	120			
trans-1,2-Dichloroethene	0.0485	0.00100	0.0464	0	105	80	120			
trans-1,3-Dichloropropene	0.0453	0.00100	0.0464	0	97.7	80	120			
Trichloroethene	0.0472	0.00200	0.0464	0	102	80	120			
Trichlorofluoromethane	0.0448	0.00100	0.0464	0	96.6	80	120			
Vinyl chloride	0.0442	0.00100	0.0464	0	95.2	80	120			
Surr: 1,2-Dichloroethane-d4	192		200.0		95.9	70	120			
Surr: 4-Bromofluorobenzene	201		200.0		101	75	120			
Surr: Dibromofluoromethane	197		200.0		98.5	85	115			
Surr: Toluene-d8	199		200.0		99.7	85	120			

Qualifiers:	<p>B Analyte detected in the associated Method Blank</p> <p>J Analyte detected between MDL and RL</p> <p>ND Not Detected at the Method Detection Limit</p> <p>RL Reporting Limit</p> <p>J Analyte detected between SDL and RL</p>	<p>DF Dilution Factor</p> <p>MDL Method Detection Limit</p> <p>R RPD outside accepted control limits</p> <p>S Spike Recovery outside control limits</p> <p>N Parameter not NELAC certified</p>
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CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_130919A

The QC data in batch 59563 applies to the following samples: 1309171-02D, 1309171-03D, 1309171-04D, 1309171-06D

Sample ID	1309171-02D DUP	Batch ID:	59563	TestNo:	M4500-H+ B	Units:	pH Units@16°C			
SampType:	DUP	Run ID:	TITRATOR_130919A	Analysis Date:	9/19/2013 10:37:00 AM	Prep Date:	9/19/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.13	0	0	7.130				0	5	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_130919A

Sample ID ICV-130919	Batch ID: R68729	TestNo: M4500-H+ B	Units: pH Units@23.8°C
SampType: ICV	Run ID: TITRATOR_130919A	Analysis Date: 9/19/2013 10:34:00 AM	Prep Date: 9/19/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	10.0	0	10.00	0	100	99	101			

Sample ID CCV-130919	Batch ID: R68729	TestNo: M4500-H+ B	Units: pH Units@23.3°C
SampType: CCV	Run ID: TITRATOR_130919A	Analysis Date: 9/19/2013 10:42:00 AM	Prep Date: 9/19/2013

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.01	0	7.000	0	100	97.1	102.9			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: TOC_130923A

The QC data in batch 59604 applies to the following samples: 1309171-02B, 1309171-03B, 1309171-04B, 1309171-06B

Sample ID MB-59604	Batch ID: 59604	TestNo: M5310C	Units: mg/L							
SampType: MBLK	Run ID: TOC_130923A	Analysis Date: 9/23/2013 4:38:00 PM	Prep Date: 9/23/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	<0.300	1.00								

Sample ID LCS-59604	Batch ID: 59604	TestNo: M5310C	Units: mg/L							
SampType: LCS	Run ID: TOC_130923A	Analysis Date: 9/23/2013 4:58:00 PM	Prep Date: 9/23/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	10.6	1.00	10.00	0	106	80	120			

Sample ID 1309204-09CMS	Batch ID: 59604	TestNo: M5310C	Units: mg/L							
SampType: MS	Run ID: TOC_130923A	Analysis Date: 9/23/2013 5:43:00 PM	Prep Date: 9/23/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	10.3	1.00	10.00	0.4739	98.5	80	120			

Sample ID 1309204-09CMSD	Batch ID: 59604	TestNo: M5310C	Units: mg/L							
SampType: MSD	Run ID: TOC_130923A	Analysis Date: 9/23/2013 6:07:00 PM	Prep Date: 9/23/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Organic Carbon	11.0	1.00	10.00	0.4739	105	80	120	6.11	15	

Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
	J Analyte detected between MDL and RL	MDL Method Detection Limit
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
	RL Reporting Limit	S Spike Recovery outside control limits
	J Analyte detected between SDL and RL	N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: TOC_130923A

Sample ID ICV-130923	Batch ID: R68824	TestNo: M5310C	Units: mg/L
SampType: ICV	Run ID: TOC_130923A	Analysis Date: 9/23/2013 4:20:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Total Organic Carbon	16.0	1.00	15.00	0	106	90	110			
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Sample ID CCV1-130923	Batch ID: R68824	TestNo: M5310C	Units: mg/L
SampType: CCV	Run ID: TOC_130923A	Analysis Date: 9/23/2013 7:52:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Total Organic Carbon	10.6	1.00	10.00	0	106	80	120			
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Sample ID CCV2-130923	Batch ID: R68824	TestNo: M5310C	Units: mg/L
SampType: CCV	Run ID: TOC_130923A	Analysis Date: 9/23/2013 11:30:00 PM	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Total Organic Carbon	10.9	1.00	10.00	0	109	80	120			
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Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
	J Analyte detected between MDL and RL	MDL Method Detection Limit
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
	RL Reporting Limit	S Spike Recovery outside control limits
	J Analyte detected between SDL and RL	N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_130919A

The QC data in batch 59564 applies to the following samples: 1309171-02D, 1309171-03D, 1309171-04D, 1309171-06D

Sample ID MB-59564	Batch ID: 59564	TestNo: M3500-Cr D	Units: mg/L							
SampType: MBLK	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:40:00 AM	Prep Date: 9/19/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Hexavalent Chromium	<0.00800	0.0100
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Sample ID LCS-59564	Batch ID: 59564	TestNo: M3500-Cr D	Units: mg/L							
SampType: LCS	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:40:00 AM	Prep Date: 9/19/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Hexavalent Chromium	0.103	0.0100	0.100	0	103	85	115
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Sample ID LCSD-59564	Batch ID: 59564	TestNo: M3500-Cr D	Units: mg/L							
SampType: LCSD	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:40:00 AM	Prep Date: 9/19/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Hexavalent Chromium	0.103	0.0100	0.100	0	103	85	115	0.409	15
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Sample ID 1309169-01F MS	Batch ID: 59564	TestNo: M3500-Cr D	Units: mg/L							
SampType: MS	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:44:00 AM	Prep Date: 9/19/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Hexavalent Chromium	0.0971	0.0100	0.100	0	97.1	85	115
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Sample ID 1309169-01F MSD	Batch ID: 59564	TestNo: M3500-Cr D	Units: mg/L							
SampType: MSD	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:44:00 AM	Prep Date: 9/19/2013							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Hexavalent Chromium	0.104	0.0100	0.100	0	104	85	115	7.23	15
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Qualifiers:	B Analyte detected in the associated Method Blank	DF Dilution Factor
	J Analyte detected between MDL and RL	MDL Method Detection Limit
	ND Not Detected at the Method Detection Limit	R RPD outside accepted control limits
	RL Reporting Limit	S Spike Recovery outside control limits
	J Analyte detected between SDL and RL	N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1309171
Project: HELSTF Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_130919A

Sample ID ICV-130919	Batch ID: R68765	TestNo: M3500-Cr D	Units: mg/L							
SampType: ICV	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:40:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.104	0.0100	0.100	0	104	90	110			

Sample ID CCV-130919	Batch ID: R68765	TestNo: M3500-Cr D	Units: mg/L							
SampType: CCV	Run ID: UV/VIS_2_130919A	Analysis Date: 9/19/2013 11:46:00 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.213	0.0100	0.200	0	107	90	110			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

Sequence Report

Run ID: GC15_130923A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICB-MECL2#7358	----	M8015D	R68775	1	9/23/2013 9:30:53 AM		A
ICV-130923	----	M8015D	R68775	1	9/23/2013 9:39:23 AM		A
LCS-59572	----	M8015D	59572	1	9/23/2013 9:51:44 AM	9/20/2013 6:39:19 AM	A
MB-59572	----	M8015D	59572	1	9/23/2013 10:08:43 AM	9/20/2013 6:39:19 AM	A
1309171-02E	HLSF-0154-DRW-013-0913	M8015D	59572	1	9/23/2013 10:17:12 AM	9/20/2013 6:39:19 AM	A
1309171-03E	HLSF-0154-DRW-012-0913	M8015D	59572	1	9/23/2013 10:25:41 AM	9/20/2013 6:39:19 AM	A
1309171-04E	HLSF-0154-DRW-112-0913	M8015D	59572	1	9/23/2013 10:34:09 AM	9/20/2013 6:39:19 AM	A
1309171-06E	HLSF-0154-DRW-016-0913	M8015D	59572	1	9/23/2013 10:42:37 AM	9/20/2013 6:39:19 AM	A
1309172-05DMS	----	M8015D	59572	1	9/23/2013 11:41:51 AM	9/20/2013 6:39:19 AM	A
1309172-05DMSD	----	M8015D	59572	1	9/23/2013 11:50:18 AM	9/20/2013 6:39:19 AM	A
CCV1-130923	----	M8015D	R68775	1	9/23/2013 11:58:50 AM		A

Run ID: GCMS5_130923B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130923	----	SW8260C	R68790	1	9/23/2013 7:44:00 PM		A
LCS-59606	----	SW8260C	59606	1	9/23/2013 8:08:00 PM	9/23/2013 6:16:37 PM	A
MB-59606	----	SW8260C	59606	1	9/23/2013 8:57:00 PM	9/23/2013 6:16:37 PM	A
1309204-09AMS	----	SW8260C	59606	1	9/23/2013 9:45:00 PM	9/23/2013 6:16:37 PM	A
1309204-09AMSD	----	SW8260C	59606	1	9/23/2013 10:09:00 PM	9/23/2013 6:16:37 PM	A
1309171-01A	HLSF-0154-DRW-013-0913-TB	SW8260C	59606	1	9/23/2013 10:57:00 PM	9/23/2013 6:16:37 PM	T
1309171-05A	HLSF-0154-FB-001-0913	SW8260C	59606	1	9/23/2013 11:21:00 PM	9/23/2013 6:16:37 PM	F
1309171-02A	HLSF-0154-DRW-013-0913	SW8260C	59606	1	9/24/2013 2:10:00 AM	9/23/2013 6:16:37 PM	A
1309171-03A	HLSF-0154-DRW-012-0913	SW8260C	59606	1	9/24/2013 2:34:00 AM	9/23/2013 6:16:37 PM	A
1309171-04A	HLSF-0154-DRW-112-0913	SW8260C	59606	1	9/24/2013 2:58:00 AM	9/23/2013 6:16:37 PM	A
1309171-06A	HLSF-0154-DRW-016-0913	SW8260C	59606	1	9/24/2013 3:22:00 AM	9/23/2013 6:16:37 PM	A

Lab Order: 1309171
 Client: Zia Engineering & Environmental
 Project: HELSTF Diesel Spill

Sequence Report

Run ID: ICP-MS3_130926B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
BLANK STD 1	----	SW6020A	R68870	1	9/26/2013 12:43:00 PM		A
1/20 ppb STD.	----	SW6020A	R68870	1	9/26/2013 12:49:00 PM		A
10/200 ppb STD.	----	SW6020A	R68870	1	9/26/2013 12:55:00 PM		A
50/1000 ppb STD.	----	SW6020A	R68870	1	9/26/2013 1:14:00 PM		A
100/2000 ppb STD.	----	SW6020A	R68870	1	9/26/2013 1:20:00 PM		A
250/5000 ppb STD.	----	SW6020A	R68870	1	9/26/2013 1:26:00 PM		A
500/10000 ppb STD.	----	SW6020A	R68870	1	9/26/2013 1:32:00 PM		A
2000/25000 ppb STD.	----	SW6020A	R68870	1	9/26/2013 1:38:00 PM		A
ICV1-130926	----	SW6020A	R68870	1	9/26/2013 2:19:00 PM		A
ILCVL-130926	----	SW6020A	R68870	1	9/26/2013 2:38:00 PM		A
ICB1-130926	----	SW6020A	R68870	1	9/26/2013 2:44:00 PM		A
CCV1-130926	----	SW6020A	R68870	1	9/26/2013 4:32:00 PM		A
LCVL1-130926	----	SW6020A	R68870	1	9/26/2013 4:56:00 PM		A
CCB1-130926	----	SW6020A	R68870	1	9/26/2013 5:09:00 PM		A
MB-59647	----	SW6020A	59647	1	9/26/2013 5:21:00 PM	9/26/2013 8:32:55 AM	A
LCS-59647	----	SW6020A	59647	1	9/26/2013 5:27:00 PM	9/26/2013 8:32:55 AM	A
LCSD-59647	----	SW6020A	59647	1	9/26/2013 5:33:00 PM	9/26/2013 8:32:55 AM	A
1309204-09D SD	----	SW6020A	59647	5	9/26/2013 5:51:00 PM	9/26/2013 8:32:55 AM	A
1309204-09D PDS	----	SW6020A	59647	1	9/26/2013 6:33:00 PM	9/26/2013 8:32:55 AM	A
1309204-09D MS	----	SW6020A	59647	1	9/26/2013 6:39:00 PM	9/26/2013 8:32:55 AM	A
1309204-09D MSD	----	SW6020A	59647	1	9/26/2013 6:44:00 PM	9/26/2013 8:32:55 AM	A
CCV2-130926	----	SW6020A	R68870	1	9/26/2013 7:02:00 PM		A
LCVL2-130926	----	SW6020A	R68870	1	9/26/2013 7:21:00 PM		A
CCB2-130926	----	SW6020A	R68870	1	9/26/2013 7:39:00 PM		A
1309171-02C	HLSF-0154-DRW-013-0913	SW6020A	59647	1	9/26/2013 7:45:00 PM	9/26/2013 8:32:55 AM	A
1309171-03C	HLSF-0154-DRW-012-0913	SW6020A	59647	1	9/26/2013 7:51:00 PM	9/26/2013 8:32:55 AM	A
1309171-04C	HLSF-0154-DRW-112-0913	SW6020A	59647	1	9/26/2013 7:57:00 PM	9/26/2013 8:32:55 AM	A
1309171-06C	HLSF-0154-DRW-016-0913	SW6020A	59647	1	9/26/2013 8:03:00 PM	9/26/2013 8:32:55 AM	A
CCV3-130926	----	SW6020A	R68870	1	9/26/2013 8:38:00 PM		A
LCVL3-130926	----	SW6020A	R68870	1	9/26/2013 9:03:00 PM		A
CCB3-130926	----	SW6020A	R68870	1	9/26/2013 9:15:00 PM		A

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

Sequence Report**Run ID: ICP-MS3_130930C**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
BLANK STD 1	----	SW6020A	R68889	1	9/30/2013 11:36:00 AM		A
1/20 ppb STD.	----	SW6020A	R68889	1	9/30/2013 11:42:00 AM		A
10/200 ppb STD.	----	SW6020A	R68889	1	9/30/2013 11:48:00 AM		A
50/1000 ppb STD.	----	SW6020A	R68889	1	9/30/2013 11:54:00 AM		A
100/2000 ppb STD.	----	SW6020A	R68889	1	9/30/2013 12:00:00 PM		A
250/5000 ppb STD.	----	SW6020A	R68889	1	9/30/2013 12:06:00 PM		A
500/10000 ppb STD.	----	SW6020A	R68889	1	9/30/2013 12:12:00 PM		A
2000/25000 ppb ST	----	SW6020A	R68889	1	9/30/2013 12:18:00 PM		A
ICV1-130930	----	SW6020A	R68889	1	9/30/2013 1:05:00 PM		A
ILCVL-130930	----	SW6020A	R68889	1	9/30/2013 1:17:00 PM		A
ICB1-130930	----	SW6020A	R68889	1	9/30/2013 1:24:00 PM		A
CCV2-130930	----	SW6020A	R68889	1	9/30/2013 5:11:00 PM		A
LCVL2-130930	----	SW6020A	R68889	1	9/30/2013 5:47:00 PM		A
CCB2-130930	----	SW6020A	R68889	1	9/30/2013 6:00:00 PM		A
1309171-06C	HLSF-0154-DRW-016-0913	SW6020A	59647	50	9/30/2013 6:23:00 PM	9/26/2013 8:32:55 AM	A
CCV3-130930	----	SW6020A	R68889	1	9/30/2013 6:41:00 PM		A
LCVL3-130930	----	SW6020A	R68889	1	9/30/2013 7:05:00 PM		A
CCB3-130930	----	SW6020A	R68889	1	9/30/2013 7:18:00 PM		A

Run ID: TITRATOR_130919A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV2-130919	----	M4500-H+ B	R68729	1	9/19/2013 10:31:00 AM	9/19/2013 10:31:00 AM	A
ICV1-130919	----	M4500-H+ B	R68729	1	9/19/2013 10:33:00 AM	9/19/2013 10:33:00 AM	A
ICV-130919	----	M4500-H+ B	R68729	1	9/19/2013 10:34:00 AM	9/19/2013 10:34:00 AM	A
1309171-02D	HLSF-0154-DRW-013-0913	M4500-H+ B	59563	1	9/19/2013 10:36:00 AM	9/19/2013 10:18:37 AM	A
1309171-02D DUP	HLSF-0154-DRW-013-0913PD9	M4500-H+ B	59563	1	9/19/2013 10:37:00 AM	9/19/2013 10:18:37 AM	A
1309171-03D	HLSF-0154-DRW-012-0913	M4500-H+ B	59563	1	9/19/2013 10:38:00 AM	9/19/2013 10:18:37 AM	A
1309171-04D	HLSF-0154-DRW-112-0913	M4500-H+ B	59563	1	9/19/2013 10:40:00 AM	9/19/2013 10:18:37 AM	A
1309171-06D	HLSF-0154-DRW-016-0913	M4500-H+ B	59563	1	9/19/2013 10:41:00 AM	9/19/2013 10:18:37 AM	A
CCV-130919	----	M4500-H+ B	R68729	1	9/19/2013 10:42:00 AM	9/19/2013 10:42:00 AM	A

Lab Order: 1309171
Client: Zia Engineering & Environmental
Project: HELSTF Diesel Spill

Sequence Report

Run ID: TOC_130923A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130923	----	M5310C	R68824	1	9/23/2013 4:20:00 PM		A
MB-59604	----	M5310C	59604	1	9/23/2013 4:38:00 PM	9/23/2013 3:00:00 PM	A
LCS-59604	----	M5310C	59604	1	9/23/2013 4:58:00 PM	9/23/2013 3:00:00 PM	A
1309204-09CMS	----	M5310C	59604	1	9/23/2013 5:43:00 PM	9/23/2013 3:00:00 PM	A
1309204-09CMSD	----	M5310C	59604	1	9/23/2013 6:07:00 PM	9/23/2013 3:00:00 PM	A
CCV1-130923	----	M5310C	R68824	1	9/23/2013 7:52:00 PM		A
1309171-02B	HLSF-0154-DRW-013-0913	M5310C	59604	1	9/23/2013 8:35:00 PM	9/23/2013 3:00:00 PM	A
1309171-03B	HLSF-0154-DRW-012-0913	M5310C	59604	1	9/23/2013 9:00:00 PM	9/23/2013 3:00:00 PM	A
1309171-04B	HLSF-0154-DRW-112-0913	M5310C	59604	1	9/23/2013 9:26:00 PM	9/23/2013 3:00:00 PM	A
1309171-06B	HLSF-0154-DRW-016-0913	M5310C	59604	1	9/23/2013 9:51:00 PM	9/23/2013 3:00:00 PM	A
CCV2-130923	----	M5310C	R68824	1	9/23/2013 11:30:00 PM		A

Run ID: UV/VIS_2_130919A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130919	----	M3500-Cr D	R68765	1	9/19/2013 11:40:00 AM		A
MB-59564	----	M3500-Cr D	59564	1	9/19/2013 11:40:00 AM	9/19/2013 10:21:29 AM	A
LCS-59564	----	M3500-Cr D	59564	1	9/19/2013 11:40:00 AM	9/19/2013 10:21:29 AM	A
LCSD-59564	----	M3500-Cr D	59564	1	9/19/2013 11:40:00 AM	9/19/2013 10:21:29 AM	A
1309169-01F MS	----	M3500-Cr D	59564	1	9/19/2013 11:44:00 AM	9/19/2013 10:21:29 AM	A
1309169-01F MSD	----	M3500-Cr D	59564	1	9/19/2013 11:44:00 AM	9/19/2013 10:21:29 AM	A
1309171-02D	HLSF-0154-DRW-013-0913	M3500-Cr D	59564	1	9/19/2013 11:44:00 AM	9/19/2013 10:21:29 AM	A
1309171-03D	HLSF-0154-DRW-012-0913	M3500-Cr D	59564	1	9/19/2013 11:44:00 AM	9/19/2013 10:21:29 AM	A
1309171-04D	HLSF-0154-DRW-112-0913	M3500-Cr D	59564	1	9/19/2013 11:44:00 AM	9/19/2013 10:21:29 AM	A
1309171-06D	HLSF-0154-DRW-016-0913	M3500-Cr D	59564	1	9/19/2013 11:46:00 AM	9/19/2013 10:21:29 AM	A
CCV-130919	----	M3500-Cr D	R68765	1	9/19/2013 11:46:00 AM		A